BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND FINAL BILL

Name of work: Providing and Fixing Missing covering Slab at Nanjappa Layout, R.R School, Muneshwara Layout, Ramanna Garden, Venugopalswamy Temple and Surrounding areas in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Estimated Cost : Rs. 30.00 Lakhs

Head of Account : P-3329

Job Code: 010-18-000061

Name of Agency: Sri. P. Vishwanath, Contractor, # 28, 2nd Cross, Giddappa Block, Ganganagar, Bangalore – 560 032.

Work order No: BBMP/EE/BTP/WO/226/2018-19 D: 06.02.2019.

Measurements Recarded on :

Sl. No	Description	No.	L	B1	B2	Av. B	D	Qty	Rate	Amount
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications								Cum	
	Desilting of Drain									
	Muneshwara Swamy Layout 1st main N/S	1	36.00			0.60	0.45	9.72		
	Muneshwara Swamy Layout 1st main S/S	1	36.00			0.60	0.45	9.72		
	Muneshwara Swamy Layout 1st main E/S	1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
		1	20.00			0.60	0.45	5.40		
	Muneshwara Swamy Layout 1st main E/S	1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
		1	25.00			0.60	0.45	6.75		
	Cross Road from Main Road to SWD N/S	1	30.00			0.60	0.45	8.10		
		1	10.00			0.60	0.45	2.70		
		1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
	Cross Road from Main Road to SWD S/S	1	16.00			0.60	0.45	4.32		
		1	24.00			0.60	0.45	6.48		
		1	24.00			0.60	0.45	6.48		
		1	28.00			0.60	0.45	7.56		
	Main Road S/S	1	8.00			0.60	0.45	2.16		
		1	8.00			0.60	0.45	2.16		
	Main Road N/S	1	20.00			0.60	0.45	5.40		
	Main Road E/S	1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
	Main Road W/S	1	16.00			0.60	0.45	4.32		
	Main Road 4th Cross to 5th Cross W/S	1	24.00			0.60	0.45	6.48		
	Main Road 3rd Cross to 4th Cross W/S	1	22.00			0.60	0.45	5.94		

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

	Description	No.	L	B1	B2	Av. B	D	Qty	Rate	Amount
	Main Road 2nd Cross to 3rd Cross W/S	1	22.00			0.60	0.45	5.94		
	Main Road 1st Cross to 2nd Cross W/S	1	22.00			0.60	0.45	5.94		
	Venugoplaswamy Temple Road to SWD N/S	1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
		1	21.00			0.60	0.45	5.67		
	Venugoplaswamy Temple Road to SWD S/S	1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
		1	12.00			0.60	0.45	3.24		
		1	27.00			0.60	0.45	7.29		
	KNV 1st Stage Main Road E/S	1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
		1	31.00			0.60	0.45	8.37		
		1	16.50			0.60	0.45	4.46		
		1	16.50			0.60	0.45	4.46		
	Patel Pille Gowda Layout 5th Cross	1	28.00			0.60	0.45	7.56		
		1	36.00			0.60	0.45	9.72		
	Patel Pille Gowda Layout 8th Cross	1	30.00			0.60	0.45	8.10		
		1	8.00			0.60	0.45	2.16		
		1	6.00			0.60	0.45	1.62		
		1	36.00			0.60	0.45	9.72		
		1	36.00			0.60	0.45	9.72		
	Ramanna Garden 1st Main	1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
		1	30.00			0.60	0.45	8.10		
		1	22.00			0.60	0.45	5.94		
							Total Qty =	**355.59**		
							Qty Limited to=	**354.60**	175.00	**62055.00**
2	Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								Cum	
	Vent									
	Muneshwara Swamy Layout 1st main N/S	1	36.00			0.60	0.10	2.16		
	Muneshwara Swamy Layout 1st main S/S	1	36.00			0.60	0.10	2.16		
	Muneshwara Swamy Layout 1st main E/S	1	30.00			0.60	0.10	1.80		
		1	30.00			0.60	0.10	1.80		
		1	20.00			0.60	0.10	1.20		
	Muneshwara Swamy Layout 1st main E/S	1	30.00			0.60	0.10	1.80		
		1	30.00			0.60	0.10	1.80		
		1	30.00			0.60	0.10	1.80		
		1	25.00			0.60	0.10	1.50		
	Cross Road from Main Road to SWD N/S	1	30.00			0.60	0.10	1.80		
		1	10.00			0.60	0.10	0.60		
		1	30.00			0.60	0.10	1.80		
		1	30.00			0.60	0.10	1.80		
	Cross Road from Main Road to SWD S/S	1	16.00			0.60	0.10	0.96		
		1	24.00			0.60	0.10	1.44		
		1	24.00			0.60	0.10	1.44		

Sweetha. N K
Assistant Engineer

Assistant Executive Engineer
Vijayaranyapura Sub Division

Description	No.	L	B1	B2	Av. B	D	Qty	Rate	Amount
	1	28.00			0.60	0.10	1.68		
Main Road S/S	1	8.00			0.60	0.10	0.48		
	1	8.00			0.60	0.10	0.48		
Main Road N/S	1	20.00			0.60	0.10	1.20		
Main Road E/S	1	30.00			0.60	0.10	1.80		
	1	30.00			0.60	0.10	1.80		
	1	30.00			0.60	0.10	1.80		
	1	30.00			0.60	0.10	1.80		
Main Road W/S	1	16.00			0.60	0.10	0.96		
Main Road 4th Cross to 5th Cross W/S	1	24.00			0.60	0.10	1.44		
Main Road 3rd Cross to 4th Cross W/S	1	22.00			0.60	0.10	1.32		
Main Road 2nd Cross to 3rd Cross W/S	1	22.00			0.60	0.10	1.32		
Main Road 1st Cross to 2nd Cross W/S	1	22.00			0.60	0.10	1.32		
Venugoplaswamy Temple Road to SWD N/S	1	30.00			0.60	0.10	1.80		
	1	30.00			0.60	0.10	1.80		
	1	21.00			0.60	0.10	1.26		
Venugoplaswamy Temple Road to SWD S/S	1	30.00			0.60	0.10	1.80		
	1	30.00			0.60	0.10	1.80		
	1	12.00			0.60	0.10	0.72		
	1	27.00			0.60	0.10	1.62		
KNV 1st Stage Main Road E/S	1	30.00			0.60	0.10	1.80		
	1	30.00			0.60	0.10	1.80		
	1	31.00			0.60	0.10	1.86		
	1	16.50			0.60	0.10	0.99		
	1	16.50			0.60	0.10	0.99		
Patel Pille Gowda Layout 5th Cross	1	28.00			0.60	0.10	1.68		
	1	36.00			0.60	0.10	2.16		
Patel Pille Gowda Layout 8th Cross	1	30.00			0.60	0.10	1.80		
	1	8.00			0.60	0.10	0.48		
	1	6.00			0.60	0.10	0.36		
	1	36.00			0.60	0.10	2.16		
	1	36.00			0.60	0.10	2.16		
Ramanna Garden 1st Main	1	30.00			0.60	0.10	1.80		
	1	30.00			0.60	0.10	1.80		
	1	30.00			0.60	0.10	1.80		
	1	22.00			0.60	0.10	1.32		
Ramp									
Muneshwara Swamy Layout 1st main N/S	1	36.00			0.30	0.10	1.08		
Muneshwara Swamy Layout 1st main S/S	1	36.00			0.30	0.10	1.08		
Muneshwara Swamy Layout 1st main E/S	1	30.00			0.30	0.10	0.90		
	1	30.00			0.30	0.10	0.90		
	1	20.00			0.30	0.10	0.60		
Muneshwara Swamy Layout 1st main E/S	1	30.00			0.30	0.10	0.90		
	1	30.00			0.30	0.10	0.90		
	1	30.00			0.30	0.10	0.90		
	1	25.00			0.30	0.10	0.75		
Cross Road from Main Road to SWD N/S	1	30.00			0.30	0.10	0.90		
	1	10.00			0.30	0.10	0.30		
	1	30.00			0.30	0.10	0.90		
	1	30.00			0.30	0.10	0.90		

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

	Description	No.	L	B1	B2	Av. B	D	Qty	Rate	Amount
	Cross Road from Main Road to SWD S/S	1	16.00			0.30	0.10	0.48		
		1	24.00			0.30	0.10	0.72		
		1	24.00			0.30	0.10	0.72		
		1	28.00			0.30	0.10	0.84		
	Main Road S/S	1	8.00			0.30	0.10	0.24		
		1	8.00			0.30	0.10	0.24		
	Main Road N/S	1	20.00			0.30	0.10	0.60		
	Main Road E/S	1	30.00			0.30	0.10	0.90		
		1	30.00			0.30	0.10	0.90		
		1	30.00			0.30	0.10	0.90		
		1	30.00			0.30	0.10	0.90		
	Main Road W/S	1	16.00			0.30	0.10	0.48		
	Main Road 4th Cross to 5th Cross W/S	1	24.00			0.30	0.10	0.72		
	Main Road 3rd Cross to 4th Cross W/S	1	22.00			0.30	0.10	0.66		
	Main Road 2nd Cross to 3rd Cross W/S	1	22.00			0.30	0.10	0.66		
	Main Road 1st Cross to 2nd Cross W/S	1	22.00			0.30	0.10	0.66		
	Venugoplaswamy Temple Road to SWD N/S	1	30.00			0.30	0.10	0.90		
		1	30.00			0.30	0.10	0.90		
		1	21.00			0.30	0.10	0.63		
	Venugoplaswamy Temple Road to SWD S/S	1	30.00			0.30	0.10	0.90		
		1	30.00			0.30	0.10	0.90		
		1	12.00			0.30	0.10	0.36		
		1	27.00			0.30	0.10	0.81		
	KNV 1st Stage Main Road E/S	1	30.00			0.30	0.10	0.90		
		1	30.00			0.30	0.10	0.90		
		1	31.00			0.30	0.10	0.93		
		1	16.50			0.30	0.10	0.50		
		1	16.50			0.30	0.10	0.50		
	Patel Pille Gowda Layout 5th Cross	1	28.00			0.30	0.10	0.84		
		1	36.00			0.30	0.10	1.08		
	Patel Pille Gowda Layout 8th Cross	1	30.00			0.30	0.10	0.90		
		1	8.00			0.30	0.10	0.24		
		1	6.00			0.30	0.10	0.18		
		1	36.00			0.30	0.10	1.08		
		1	36.00			0.30	0.10	1.08		
		1	20.00			0.30	0.10	0.60		
							Total Qty =	115.77		
							Qty Limited to=	115.74	5075.00	587381.00
3	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams etc complete as per specification								Cum	
	For Damage Portion									
	Muneshwara Swamy Layout 1st main N/S	1	15.00			0.15	0.30	0.68		
	Muneshwara Swamy Layout 1st main S/S	1	12.00			0.15	0.30	0.54		
	Muneshwara Swamy Layout 1st main E/S	1	22.00			0.15	0.25	0.83		
	Patel Pille Gowda Layout 8th Cross	1	18.00			0.15	0.30	0.81		
	Patel Pille Gowda Layout 5th Cross	1	16.00			0.15	0.30	0.72		

Assistant Engineer

Assistant Executive Engineer

	Description	No.	L	B1	B2	Av. B	D	Qty	Rate	Amount
	Venugoplaswamy Temple Road to SWD S/S	1	10.00			0.15	0.25	0.38		
		1	12.00			0.15	0.30	0.54		
	Venugopalswamy Temple	1	25.00			0.15	0.30	1.13		
	Muneshwara Swamy Layout 1st main E/S	1	28.00			0.15	0.25	1.05		
		1	15.00			0.15	0.30	0.68		
		1	15.00			0.15	0.20	0.45		
		1	13.00			0.15	0.20	0.39		
	Cross Road from Main Road to SWD N/S	1	15.00			0.15	0.20	0.45		
		1	22.00			0.15	0.25	0.83		
		1	18.00			0.15	0.30	0.81		
	Cross Road from Main Road to SWD S/S	1	10.00			0.15	0.25	0.38		
							Total Qty =	**10.64**		
							Qty Limited to=	**10.35**	5484.00	**56759.00**
4	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications.								Sqm	
	Muneshwara Swamy Layout 1st main N/S	2	15.00				0.30	9.00		
	Muneshwara Swamy Layout 1st main S/S	2	12.00				0.30	7.20		
	Muneshwara Swamy Layout 1st main E/S	2	22.00				0.25	11.00		
	Patel Pille Gowda Layout 8th Cross	2	18.00				0.30	10.80		
	Patel Pille Gowda Layout 5th Cross	2	16.00				0.30	9.60		
	Venugoplaswamy Temple Road to SWD S/S	2	10.00				0.25	5.00		
		2	12.00				0.30	7.20		
	Venugopalswamy Temple	2	25.00				0.30	15.00		
	Muneshwara Swamy Layout 1st main E/S	2	28.00				0.25	14.00		
		2	15.00				0.30	9.00		
		2	15.00				0.20	6.00		
		2	13.00				0.20	5.20		
	Cross Road from Main Road to SWD N/S	2	15.00				0.20	6.00		
		2	22.00				0.25	11.00		
		2	18.00				0.30	10.80		
	Cross Road from Main Road to SWD S/S	2	10.00				0.25	5.00		
							Total Qty =	**141.80**		
							Qty Limited to=	**138.00**	273.00	**37674.00**
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick etc complete as per specification								Sqm	
	Covering Slab									
	Muneshwara Swamy Layout 1st main N/S	1	36.00				0.90	32.40		
	Muneshwara Swamy Layout 1st main S/S	1	36.00				0.90	32.40		
	Muneshwara Swamy Layout 1st main E/S	1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	20.00				0.90	18.00		
	Muneshwara Swamy Layout 1st main E/S	1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	25.00				0.90	22.50		
	Cross Road from Main Road to SWD N/S	1	30.00				0.90	27.00		
		1	10.00				0.90	9.00		

Sweetha. N K
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Sub Division

	Description	No.	L	B1	B2	Av. B	D	Qty	Rate	Amount
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
	Cross Road from Main Road to SWD S/S	1	16.00				0.90	14.40		
		1	24.00				0.90	21.60		
		1	24.00				0.90	21.60		
		1	28.00				0.90	25.20		
	Main Road S/S	1	8.00				0.90	7.20		
		1	8.00				0.90	7.20		
	Main Road N/S	1	20.00				0.90	18.00		
	Main Road E/S	1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
	Main Road W/S	1	16.00				0.90	14.40		
	Main Road 4th Cross to 5th Cross W/S	1	24.00				0.90	21.60		
	Main Road 3rd Cross to 4th Cross W/S	1	22.00				0.90	19.80		
	Main Road 2nd Cross to 3rd Cross W/S	1	22.00				0.90	19.80		
	Main Road 1st Cross to 2nd Cross W/S	1	22.00				0.90	19.80		
	Venugoplaswamy Temple Road to SWD N/S	1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	21.00				0.90	18.90		
	Venugoplaswamy Temple Road to SWD S/S	1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	12.00				0.90	10.80		
		1	27.00				0.90	24.30		
	KNV 1st Stage Main Road E/S	1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	31.00				0.90	27.90		
		1	16.50				0.90	14.85		
		1	16.50				0.90	14.85		
	Patel Pille Gowda Layout 5th Cross	1	28.00				0.90	25.20		
		1	36.00				0.90	32.40		
	Patel Pille Gowda Layout 8th Cross	1	30.00				0.90	27.00		
		1	8.00				0.90	7.20		
		1	6.00				0.90	5.40		
		1	36.00				0.90	32.40		
		1	36.00				0.90	32.40		
		1	20.00				0.90	18.00		
	Ramanna Garden 1st Main	1	30.00				0.90	27.00		
		1	32.00				0.90	28.80		
			1287.00							
								Total Qty =	**1158.30**	
								Qty Limited to=	**1157.40**	666.00 **770828.00**
6	Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) etc complete as per specification								Mtrs	
		2145	3.00					6435.00		
								Total Qty =	6435.00	
								Qty Limited to=	**6430.00**	32.00 **205760.00**

Assistant Engineer

Assistant Executive Engineer

Description	No.	L	B1	B2	Av. B	D	Qty	Rate	Amount
Providing two line dressing to granite stone slab / granite stone masonry as per specifications.								Sqm	
		Qty Vide Item No. 5					1157.40		
						Total Qty =	1157.40	770.00	891198.00
								Total	2611655.00

#NAME?

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division,

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Engineer

Assistant Executive Engineer